



Gordon Research Conferences *frontiers of science*

Thalamocortical Interactions:

Thalamic Circuits for Perception, Cognition and Action

Date and Location:

February 16-21, 2020
Ventura Beach Marriott,
Ventura, California.

Organizers:

Chairs: Martha Bickford,
László Acsády

Vice Chairs: Judith Hirsch,
Sonja Hofer

[https://www.grc.org/
thalamocortical-
interactions-
conference/2020/](https://www.grc.org/thalamocortical-interactions-conference/2020/)

Associated Gordon Research Seminar (GRS):

Chairs: Stacy Seidl, Vinod
Kumar

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thalamocortical-interactions-
grs-conference/2020/](https://www.grc.org/thalamocortical-interactions-grs-conference/2020/)



Topics and Speakers:

Keynote speaker: Karel Svoboda

Thalamus and Motor Control *Chair:* A. Kreitzer

K. Cullen/ J. Goldberg/ A. Hantman/
B. Olveczky/ G. Shepherd

Parallel Sensory Pathways *Chair:* C. Casanova

E. Callaway/ F. Clasca/ M. Scanziani

Role of Thalamic Circuits in Cognitive Function

Chair: M. Wilke

M. Halassa/ A. Huberman/ S. Kastner/
A. Mitchell/ M. Wolf

Thalamocortical Interactions in Disease States

Chair: S. Ahmari

J. Chin / D. Manoach/ J. Paz

Development of Thalamic and Cortical Circuits

Chair: D. Schafer. C. Chen/ M. Fox/ S. Garell/
W. Guido/ D. Jabaudon

Experience and State-Dependent Plasticity of

Thalamocortical Interactions *Chair:* A. Holtmaat

S. Aton/ A. Barth/ G. Turrigiano

Corticothalamic Pathways *Chair:* F. Briggs

S. Brown/ L. Busse/ M. Geffen/ R. Mease/
M. Usrey

Cellular and Synaptic Properties of Thalamic

Circuits *Chair:* J. Huguenard

S. Brickley/ C. Levelt/ H-S. Shin/